

DEPARTMENT OF CONSERVATION

STATE OF CALIFORNIA

December 5, 2003

NOTICE

. . .

801 K STREET SUITE 2400 SACRAMENTO CALIFORNIA 95814

PHONE 916/322-1080

9 1 6 / 4 4 5 - 0 7 3 2

T D D 9 1 6 / 3 2 4 - 2 5 5 5

INTERNET consrv.ca.gov

. . .

ARNOLD SCHWARZENEGGER GOVERNOR **To:** All Interested Parties

Subject: Biannual Report of Beverage Container Sales, Returns,

Redemption, and Recycling Rates for January-June 2003

Under Public Resources Code Section 4551, the Department of Conservation (Department) is required to report the redemption and recycling rates for each six-month period within 130 days of the close of that period. Enclosed please find the Biannual Report of Redemption and Recycling Rates for the first half of the 2003 calendar year. In addition, we have enclosed historical information on annual redemption and recycling rates from 2001 through the close of 2002.

The overall beverage container recycling rate is 58 percent. The recycling rates by material type are: aluminum, 73 percent; glass, 54 percent; #1 PET plastic, 38 percent; #2 HDPE plastic, 32 percent; and bimetal, 10 percent. The recycling rates for other plastics are: #3 PVC, 6 percent; #4 LDPE, .05 percent; #5 PP, 0 percent; #6 PS, .01 percent, and #7 Other, 1.71 percent.

If you have any questions about this report, please contact me or Jim Ferguson, Assistant Director for Recycling, at (916) 323-3836.

Darryl Young Director

Enclosures

Biannual Report of Beverage Container Sales, Returns, Redemption & Recycling Rates

Table 1 December 5, 2003



RATES			CONTAINERS			
ALUMINUM	Redempi	tion Recycling	Sales*	Recycled	Refillable	Postfilled
JAN - JUNE 2003	73	73	4,405,134,930	3,217,185,286	0	30,323,558
JULY - DEC 2002	70	70	5,117,738,002	3,592,569,402	0	49,310,002
JAN - JUNE 2002	79	79	4,303,156,814	3,378,585,046	0	36,679,346
JULY - DEC 2001	70	70	5,229,928,476	3,674,003,411	0	43,996,536
JAN - JUNE 2001	80	80	4,196,752,969	3,362,768,981	0	31,407,467
GLASS						
JAN - JUNE 2003	62	54	1,544,651,112	840,761,450	295,645	154,423,549
JULY - DEC 2002	53	47	1,879,713,609	882,526,227	233,617	151,473,485
JAN - JUNE 2002	66	59	1,547,044,854	906,330,107	146,840	162,534,721
JULY - DEC 2001	57	50	1,916,863,937	949,198,970	243,260	184,157,045
JAN - JUNE 2001	68	59	1,552,645,762	919,355,723	135,192	178,210,962
#1 PET						
JAN - JUNE 2003	39	38	2,326,196,324	894,825,771	0	59,267,981
JULY - DEC 2002	32	32	2,750,648,550	882,355,419	0	52,822,430
JAN - JUNE 2002	41	41	1,982,107,978	805,230,416	0	53,267,278
JULY - DEC 2001	33	32	2,363,231,556	764,118,077	0	59,509,567
JAN - JUNE 2001	41	40	1,669,529,586	671,482,950	0	53,021,598
#2 HDPE						
JAN - JUNE 2003	93	32	273,260,492	86,624,603	0	171,773,542
JULY - DEC 2002	111	41	220,046,220	89,740,194	0	158,756,725
JAN - JUNE 2002	126	44	207,025,906	91,726,397	0	172,752,313
JULY - DEC 2001	106	38	240,794,928	91,189,617	0	167,668,660
JAN - JUNE 2001	116	40	216,780,334	85,951,431	0	168,896,575
#3 PVC						
JAN - JUNE 2003	6	6	480,282	26,518	0	2,423
JULY - DEC 2002	1	0	1,822,200	6,304	0	4,702
JAN - JUNE 2002	1	1	1,696,523	13,616	0	940
JULY - DEC 2001	2	2	1,525,079	27,827	0	3,116
JAN - JUNE 2001	1	1	1,994,685	23,663	0	1,056
#4 LDPE						
JAN - JUNE 2003	.11	.05	3,052,428	1,579	0	1,758
JULY - DEC 2002	.26	.04	4,766,384	1,845	0	10,402
JAN - JUNE 2002	0	0	8,912,638	572	0	21
JULY - DEC 2001	1	.08	10,445,403	8,742	0	101,014
JAN - JUNE 2001	.19	.03	3,620,764	896	0	5,850

(Continued on next page)

Biannual Report of Beverage Container Sales, Returns, Redemption & Recycling Rates

CONTAINERS

RATES

Table 1 December 5, 2003



11/11/20			CONTINUENC			
#5 PP Reden	nption	Recycling	Sales*	Recycled	Refillable	Postfilled
IAN - JUNE 2003	0	0	604,273	996	0	500
ULY - DEC 2002	1	1	778,424	5,428	0	4,982
IAN - JUNE 2002	3	3	329,181	11,109	0	76
ULY - DEC 2001	3	1	311,584	4,339	0	5,078
AN - JUNE 2001	15	15	202,710	30,383	0	1,016
#6 PS						
AN - JUNE 2003	.01	.01	35,214,171	3,678	0	1,459
ULY - DEC 2002	.08	.06	39,158,064	23,432	0	9,116
AN - JUNE 2002	.01	.01	34,232,364	3,267	0	28
ULY - DEC 2001	.04	.01	33,475,821	1,920	0	12,955
AN - JUNE 2001	.23	.23	16,381,131	37,839	0	900
#7 OTHER						
AN - JUNE 2003	1.74	1.71	10,166,265	173,945	0	7,750
ULY - DEC 2002	.28	.23	11,779,596	26,698	0	7,793
AN - JUNE 2002	.19	.17	8,764,828	14,536	0	2,738
ULY - DEC 2001	.14	.12	7,464,111	8,660	0	2,366
AN - JUNE 2001	.55	.33	3,378,467	11,160	0	7,74
BIMETAL						
AN - JUNE 2003	10	10	29,496,963	3,086,967	0	331,318
ULY - DEC 2002	2	2	29,884,139	502,061	0	131,736
AN - JUNE 2002	1	1	26,512,803	282,983	0	24,266
ULY - DEC 2001	1	1	25,472,416	269,414	0	79,338
AN - JUNE 2001	1	1	22,374,473	253,706	0	85,656
ALL MATERIALS						
AN - JUNE 2003	60	58	8,628,257,240	5,042,690,794	295,645	416,133,837
ULY - DEC 2002	56	54	10,056,335,188	5,447,757,009	233,617	412,531,372
AN - JUNE 2002	66	64	8,119,783,889	5,182,198,050	146,840	425,261,726
ULY - DEC 2001	58	56	9,829,513,311	5,478,830,976	243,260	455,535,674
AN - JUNE 2001	68	66	7,683,660,881	5,039,916,731	135,192	431,638,827
ALCULATION OF				amentian Data	A D [O (OOF()	N D\\1
\ = number of en		verage containe	ers returnea - Rea l	emption Rate =	$A + B + [C - (0.05 \times (A + B + E + E))]$	4 + B))]
B = refillables ret			antainana nataana a	novelina Dete	D (The v	alue in brackets []
•			rontainers returned Re	ecycling Rate =	is inclu	ided only when r than zero.)
O = number of be Container per pound	•		ALUMINUM GLASS	#1 PET	D greate. #2 HDPE #3 PVC	#4 LDPE
AN - JUNE 2003	-HIMILO (U	MA/FOOTHILLED)	29.3/34.18 1.87/1.0		4.6/5.02 9.3/NA	38.9/NA
CONTAINER PER POUND	RATES (C	RV/POSTFILLED)	#5 PP #6 PS	#7 OTHER	BIMETAL	
AN - JUNE 2003			12.5/NA 69.8/N/	9.1/NA	7.6/NA	

FOOTNOTE: * Because of the delay between the time a container is distributed for sale and the time it is returned for recycling, the Department has determined the average "return time" as two months. The sales shown reflect this lag.

CALENDAR YEAR - REDEMPTION AND RECYCLING RATES

December 5, 2003

Rates			Containers			1 of 3
ALUMINUM	Redemption	Recycling	Sold	Recycled	Refillable	Postfilled
2002	74	74	9,420,894,816	6,971,154,448	0	85,989,348
2001	75	75	9,426,681,445	7,036,772,391	0	75,404,003
2000	76**	76 * *	9,521,709,518	7,086,969,721	0	73,859,460
1999	80	80	9,189,990,393	7,348,438,576	0	155,372,430
1998	80	80	9,273,717,898	7,381,508,007	0	178,559,988
1997	80	80	9,192,062,677	7,391,944,684	0	206,552,057
1996	80	80	9,046,339,201	7,257,109,422	0	157,451,082
1995	84	84	8,996,915,732	7,565,437,626	0	293,381,456
1994	82	82	9,640,060,625	7,859,363,654	0	150,118,131
1993	84	84	9,473,124,532	7,926,540,025	0	214,496,528
1992	85	85	9,849,092,574	8,378,479,015	0	204,306,718
1991	85	85	9,735,460,863	8,235,715,915	0	170,214,314
1990	76	76	9,859,752,871	7,478,135,392	0	153,794,134
1989	64	64	9,231,958,871	5,940,283,700	0	49,407,050
1988	62	61	8,829,125,615	5,416,522,775	0	358,327,175
GLASS						
2002	59	52	3,426,758,463	1,788,856,334	380,457	314,008,206
2001	62	54	3,469,509,699	1,868,554,693	378,452	362,368,007
2000	60**	54 * *	3,342,291,557	1,828,493,003	4,193,806	315,211,767
1999	71	60	2,699,056,360	1,563,428,698	56,547,053	381,756,617
1998	75	63	2,547,082,395	1,533,478,471	78,152,008	379,486,791
1997	79	67	2,488,007,100	1,575,406,811	90,836,718	383,973,447
1996	82	69	2,432,063,268	1,574,020,543	102,421,509	400,541,247
1995	86	74	2,477,905,727	1,731,621,270	111,828,496	376,815,597
1994	84	73	2,554,889,789	1,735,423,078	125,310,440	384,421,672
1993	86	75	2,524,975,195	1,753,023,220	147,140,942	369,469,526
1992	95	72	2,638,669,944	1,718,900,206	168,996,240	718,914,546
1991	85	71	2,837,961,367	1,802,801,890	198,954,148	508,723,118
1990	60	57	3,252,914,365	1,644,555,614	215,792,631	183,272,912
1989	45	40	3,136,247,664	945,069,624	304,045,641	216,179,258
1988	44	35	3,165,716,125	664,948,766	441,803,396	324,349,294
#1 PET						
2002	36	36	4,732,756,528	1,687,585,835	0	106,089,707
2001	37	36	4,032,761,142	1,435,601,027	0	112,531,165
2000	34**	34**	3,239,139,000	1,181,701,068	0	73,332,339
1999	79	65	1,278,411,247	829,974,260	0	223,909,692
1998	69	57	1,284,678,834	731,421,805	0	193,778,325
1997	69	58	1,206,774,464	698,322,157	0	168,565,032
1996	69	59	1,028,068,545	607,521,858	0	127,904,829
1995	74	64	760,783,391	488,882,966	0	99,011,197
1994	80	71	605,667,834	429,468,272	0	77,573,604
1993	76	70	577,329,580	403,344,084	0	58,323,616
1992	75	68	549,907,144	371,540,845	0	58,814,794

	Redemption	Recycling	Sold	Recycled	Refillable	Postfilled
`	ontinued)				_	
1991	58	56	530,597,819	299,758,173	0	20,829,383
1990	31	31	558,856,452	171,828,692	0	8,298,647
1989	7	7	556,680,692	37,863,612	0	1,221,987
1988 #2 HDPE	5	4	560,093,605	24,327,749	0	2,971,618
#2 HDFL	118	42	427,072,126	181,466,591	0	331,509,039
2002	110	39	457,575,262	177,141,048	0	336,565,235
2000	98**	22**	385,191,241	93,243,804	0	345,788,475
#3 PVC	30	22	000,101,241	30,240,004	U	040,700,470
2002	1	1	3,518,723	19,920	0	5,642
2001	2	<u>·</u>	3,519,764	51,490	0	4,172
2000	2**	2**	2,259,829	46,244	0	9,514
#4 LDPE	_	_	_,,			3,3
2002	.09	.02	13,679,022	2,417	0	10,423
2001	.82	.07	14,066,167	9,638	0	106,864
2000	.03**	.03**	893,623	228	0	47
#5 PP						
2002	2	1	1,107,605	16,537	0	5,057
2001	8	7	514,294	34,721	0	6,094
2000	10**	10**	811,660	79,025	0	2,529
#6 PS						
2002	.05	.04	73,390,428	26,699	0	9,144
2001	.10	.08	49,856,952	39,758	0	13,855
2000	.25**	.25**	26,362,287	66,534	0	3,281
#7 OTHER						
2002	.24	.20	20,544,424	41,234	0	10,531
2001	.27	.18	10,842,578	19,820	0	10,112
2000	.67**	.54**	14,656,909	80,409	0	23,362
BIMETAL						
2002	2	1	56,396,942	785,045	0	156,002
2001	<u> </u>	1	47,846,889	523,120	0	164,993
2000	1**	1**	25,093,499	297,767	0	63,323
1999	11	11	2,270,648	260,797	0	15,370
1998	13	13	2,088,892	264,603	0	10,246
1997	19	19	2,252,193	432,794	0	27,375
1996	17	17	2,230,519	388,095	0	29,890
1995	21	21	2,268,190	484,539	0	21,375
1994	17	17	2,506,373	430,610	0	10,470
1993	19	19	3,655,432	683,945	0	16,945
1992	12	12	6,453,684	796,519	0	42,330
1991	14 3	14 3	6,353,803	878,207 314,760	0	59,958
1990 1989	<u>3</u> 2	3 2	10,529,837 10,643,975	314,760 199,890	0	34,415 354,570
				<u> </u>	0	
1988	.17	.17	7,683,421	13,237	U	300

	Redemption	Recycling	Sold	Recycled	Refillable	Postfilled		
ALL MATERIALS								
2002	60	58	18,176,119,077	10,629,955,059	380,457	837,793,099		
2001	62	60	17,513,174,192	10,518,747,707	378,452	887,174,501		
2000	62**	61**	16,558,409,123	10,190,977,803	4,193,806	808,294,098		
1999	76	74	13,169,728,648	9,742,102,332	56,547,053	761,054,109		
1998	76	74	13,107,568,019	9,646,672,886	78,152,008	751,835,350		
1997	78	76	12,889,096,434	9,666,106,446	90,836,718	759,117,911		
1996	78	76	12,508,701,533	9,439,039,918	102,421,509	685,927,048		
1995	83	81	12,237,873,040	9,786,426,401	111,828,496	769,229,625		
1994	80	79	12,803,124,621	10,024,685,614	125,310,440	612,123,877		
1993	82	81	12,579,084,739	10,083,591,274	147,140,942	642,306,615		
1992	85	82	13,044,123,346	10,469,716,585	168,996,240	982,078,388		
1991	82	80	13,110,373,852	10,339,154,185	198,954,148	699,826,773		
1990	70	70	13,682,053,525	9,294,834,458	215,792,631	345,400,108		
1989	56	56	12,935,531,202	6,923,416,826	304,045,641	267,162,865		
1988	55	52	12,562,618,766	6,105,812,527	441,803,396	685,648,387		

^{**}Due to the addition of new beverages on January 1, 2000 from the passage of SB332, the calculation of the redemption and recycling rates for 2000 was based on the sales and return data reported from March - December 2000. This is to account for the two month sales lag. However, the totals for the sales, recycled, refillable and postfilled columns are for January - December 2000.